

RELIANCE®

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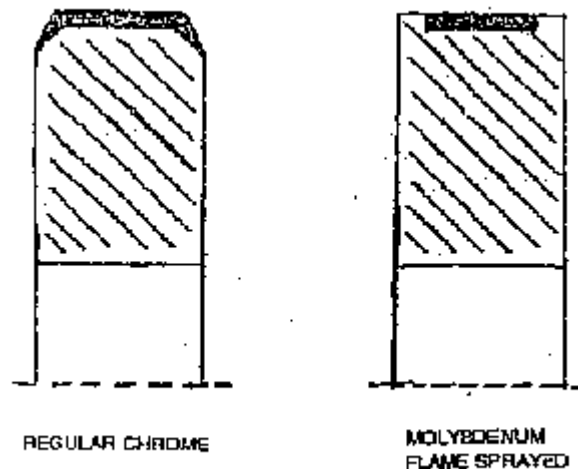
Piston Ring Coatings.

Many suppliers claim to offer high quality cylinder kits and components. When it comes to ring sets, there are many variables that can have a profound effect on the cost and quality. The subtle differences in manufacturing processes and high quality materials used in Reliance piston rings offer our customers durability and long engine life regardless of engine application.

When selecting a compression ring coating for diesel engines, two of the most popular processes are hard chromium plating and conventional flame-sprayed molybdenum coating. These familiar wear resistant coatings have been used successfully for some time.

Hard chromium plating may scuff during periods of interrupted or marginal lubrication. Reliance is careful to only utilize hard chromium plating for ring applications where that process is adequate to provide optimum engine life.

Conventional 100% moly coatings are usually sprayed into a channel on the ring peripheral surface. This method is employed in order to provide conventional moly with a better "grip" on the ring peripheral surface. This process adds significant cost when compared to other methods of compression ring manufacturing, but offers vastly superior wear resistance for long engine life.



Shown below is a breakdown of the most popular Reliance ring sets:

Part Number	Top Ring	Intermediate Compression Ring	Oil Control Ring
NAR55759	Molybdenum Coated	Ductile Iron	Chrome Plated
NRE48818	Molybdenum Coated	Chrome Plated	Chrome Plated
NAR55630	Molybdenum Coated	Molybdenum Coated	Chrome Plated
NAR51741	Molybdenum Coated	Molybdenum Coated	Chrome Plated
NRE48380	Molybdenum Coated	Molybdenum Coated	Chrome Plated
NRE57517	Molybdenum Coated	Molybdenum Coated	Chrome Plated Steel

When overhauling your Deere engine, be sure to use only the highest quality ring sets that include state of the art materials and workmanship.